CONTRACT CERTIFICATE

No. **Second & Part Bill** (For Other Works) Date:

Division: **Dasarahalli, BBMP** Sub Division: **Dasarahalli, BBMP**

Bill Received No. Dated: Cash Book Voucher No. Date

Schedule Docket No.: Head Account: Es Lacs

Work Code: 013-17-000067

Name of Work (As per Sanctioned estimate): **Construction of Ambedkar Samudaya Bhavana at Mallasandra in ward No.13 shettyhalli sub division**

Name of Contractor and Full Address: **Sri Narahari.D, (M/s, Benaka Developers and Projects Pvt Ltd) #545, 13th Cross, 5th Main, Dollars Colony, RMV 2nd Stage, Bangalore – 560094**

Reference to Agreement No.: **EE/PD/AG/67/17-18, Dated:- 27-03-2019**

Certified that the measurements were taken by me on 23/08/2019 ....and recorded of Pages 2518 TO 251827 'of Measurement Book No 2519 and that the work is satisfactorily executed.

For Benaka Developers And Projects Pvt. Ltd

Contractor

NARAHARI .D
Managing Director

Officer-in-charge of work

Certified that the measurements were taken by me on 23/08/19 ..and found correct. The Work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of account have been actually bought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

If Memorandum of payment:

1) Total Value of work done or supplies and made as per account within	Gross- 9085234
2) Deduct amount to be held in reserve being .....percent Rs.....	IT 181705
3) Balance	Lwc 90852
4) Deduct Payment:	CBF 9085
a) Amount of previous payment as in the Office Cash Book Voucher No..... Dated..... S.D. No.....	Ry 35550
Amount adjusted towards cash advance recovery of	CGST 81,119-
b) Payments } cost store or other materials supplied. Now } recovery of amount creditable to this/other work Made } amount paid on this bill Cheque /Cash.	SGST 81,119-
5) Balance being unpaid value of work done held in reserve.	Ded 479430-
6) Deduct cash advance made on the Office cash Book Voucher No..... Dated.....less adjustments.	Net 86,05,804-
7) Net amount due to or from Contractor Unadjustments items.	
8) Advance to Contractor for materials brought to site (as detailed) within Value of Government materials supplied.	
Total amount adjusted -	

For Benaka Developers And Projects Pvt. Ltd

Contractor's Signature

NARAHARI .D
Managing Director

Received Rs.....(in words).....

.....

By cash and by adjustment of payment as per memorandum

(in final settlement of all demands)

For Benaka Developers And Projects Pvt. Ltd

Witness

1.

2.

NARAHARI .D
Managing Director

Dated..... Signature of Contractor

Paid by me by Cheque No..... Dated.....

Cash Rs.....Dated.....

Initials of Officer making payment

(For use in the Office)

Audited and admitted for Rs. 9085234/-

Passed by Cheque for Rs. 86,05,804/-

Eighty six lakhs five thousand eight hundred and four only

by accountancies 479430/-

Accounts Superintendent

Exe. Engineer

B.B.M.P Dasarahalli Division

Executive Engineer

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Sl. No.	Description	Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
			Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
1	Earthwork in surface excavation in ordinary soil for leveling and lowering the ground manually (Other than foundation of buildings, culverts, road drains and trenches of pipe lines and cables) and removing the excavated stuff to a distance not exceeding 50m and lift up to 1.5m, excavated surface levelled and neatly dressed, disposed earth to be levelled including breaking of clods and neatly dressed as per specifications. as per the direction of engineer in charge	Cum	1618.80	5,08,303.20		314.00	-	1618.8	5,08,303.20	
2	Earthwork excavation for foundation of buildings, water cum supply, sanitary lines and electrical conduits either in pits or in trenches1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m.after breaking of clods complete as per specifications, as per the direction of engineer in charge.	Cum	682.31	3,23,414.94		474.00	-	682.31	3,23,414.94	
3	Extra for additional lift of 1.5m. or part thereof for excavation In loose / soft or hard rock including cost of materials, labour complete as per specifications, as per the direction of engineer in charge.	Cum	169.90	4,757.20		28.00	-	169.9	4,757.20	
4	Providing and injecting chemical emulsion for Pre-constructional Anti-Termite Treatment, creating continuous chemical barrier underand around the column pits, walls, trenches, basement excavation, top surface of the plinth filling, junction of wall and floor, along the external perimeter of building, expansion joints, over the top surface of consolidated earth on which apron is to be laid, surrounding of pipes and conduits, with chloropyriphos emulsifiable concentrates of 20% concentration, including cost of chemical, diluting in water to one percent concentration, labour, HOM of equipments, complete as per specifications. (Plinth area of the building at ground floor only shall be measured) as per the direction of engineer in charge.	Sqm	287.51	33,638.67		117.00	-	287.51	33,638.67	
5	Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. as per the direction of engineer in charge	Cum	86.09	4,56,277.00		5,300.00	-	86.09	4,56,277.00	
6	Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:6, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. as per the direction of engineer in charge	Cum	35.56	1,68,910.00		4,750.00	-	35.56	1,68,910.00	
7	Providing and constructing granite / trap / basalt size stone masoniy in basement with cement mortar 1:6, edges of stones chistle dressed in courses not less than 15 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications, as per the direction of engineer in charge	Cum	11.45	65,001.65		5,677.00	-	11.45	65,001.65	
8	Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excludingcost of reinforcement as per specifications.Specification No. KBS Specification No. as per the direction of engineer in charge	Cum	159.11	10,39,624.74		6,534.00	-	159.11	10,39,624.74	
9	Filling available excavated earth (excluding rock) in sides cum of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. as per the direction of engineer in charge	Cum	341.15	54,584.00		160.00	-	341.15	54,584.00	
10	Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications, as per the direction of engineer in charge	Cum	356.77	1,14,166.40		320.00	-	356.77	1,14,166.40	
11	Providing and laying in position reinforced cement concrete of design mix M25 with OPC cement @ 340kgs, with 20mm cum and down size graded granite metal coarse aggregates @0.70cum and fine aggregtes @ 0.47cum, with superplastisiser @3lts confirming to IS9103-1999 Reaffirmed-2008, machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in ground floor level for roof slabs, staircase, lintels and beams retaining walls, return walls, walls (any thickness) including attached pilasters, columns, Untics, pillars, posts, struts, buttresses, string or lacing courses, parapets, coping, bed blocks, anchor blocks, plain window cills, fiHets Etc., including cost of all materials, labour, HOM of machinery, curing, complete but excluding cost of reinforcement as per specifications, as per the direction of engineer in charge	Cum	163.38	10,92,522.06	3.97	6,687.00	26,547.39	167.35	11,19,069.45	
12	Providing and laying in position reinforced cement concrete of design mix M20 with OPC cement @ 24kgs, with 12mm and down size graded granite metal coarse aggregates @0.05175cum and fine aggregtes @ 0.0345cum, with superplastisiser @0.225lts, machine mixed, well compacted for plain chajja of 7.5 cms. average thickness, upto ground floor level, including cost of all materials, labour, HOM of machinery, finishing, curing, complete but excluding cost of reinforcement as per specifications. as per the direction of engineer in charge	Sqm			21.48	478.00	10,267.44	21.48	10,267.44	

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Sl. No.	Description	Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
			Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
13	Providing and casting reinforced cement concrete racks with design mix M20, granite or trap jelly 12mm and down size 5 cms thick and below with reinforcements of 6mm dia MS bars at 15 cms. Centre to centre for main reinforcement and at 30cm centre to centre for distribution including supports wherever necessary with burnt brick in CM 1:4 including centring, form work, curing etc., complete (inclusive of cost of steel and fabrication charges).	Sqm				932.00	-	0	-	
14	Providing RCC loft (atta) 7.5cms thick with cement concrete design sqm mix M20 using clean granite or trap jeiiy of 20mm and down size with necessary reinforcements at 20cms centre to centre as per design including form work, centring, curing, etc., complete (exclusive of cost of steel and fabrication charges).	Sqm				473.00	-	0	-	
15	Providing and laying in position plain cement concrete of mix 1:2:4 with cement @ 240kgs, with 20mm and down size graded cum granite metal coarse aggregates @ 0.878 cum and fine aggregtes @ 0.53cum, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, plinth and cills, nciuding cost of all materials, labour, HOM of machinery, curing complete as per specifications. as per the direction of engineer in charge	Cum	3.61	20,627.54		5,714.00	-	3.61	20,627.54	
16	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons.	Sqm	169.98	44,534.76		262.00	-	169.98	44,534.76	
17	Providing and removing centering, shuttering, strutting, Sqm. propping etc., for columns, pillars, post and struts, square / rectangular/ polygon in plan including cost of all materials, labour complete as per specifications. as per the direction of engineer in charge	Sqm	234.75	1,08,219.75		461.00	-	234.75	1,08,219.75	
18	Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as roofs, landings, balconies and likes, thickness upto 200 mm including cost of all materials, labour complete as per specificaitons.up to 3.50m from Ground level. as per the direction of engineer in charge	Sqm	476.54	1,88,233.30		395.00	-	476.54	1,88,233.30	
19	Providing and removing centering, shuttering, strutting, propping etc., for edges of slabs and breaks in floor including cost of all materials, labour complete as per specifications. as per the direction of engineer in charge	Sqm	46.65	39,885.75		855.00	-	46.65	39,885.75	
20	Providing and removing centering, shuttering, strutting, Sqm propping etc., and removal of form work for sides and soffits of beams. beam haunchings, cantilever girders, bressumers and lintels not exceeding 1m in depth including cost of all materials, labour complete as per specifications. as per the direction of engineer in charge	Sqm	1054.98	3,40,758.54		323.00	-	1054.98	3,40,758.54	
21	Providing and removing centering, shuttering, strutting, Sqm propping etc., for chajjas, corbels etc., including edges including cost of all materials, labour complete as per specifications. as per the direction of engineer in charge	Sqm			30.45	340.00	10,353.00	30.45	10,353.00	
22	Providing and removing centering, shuttering, strutting, gqm propping etc., and removal of form work for Stairs (excluding landing) except spiral staircase including cost of all materials, labour complete as per specificaiton. as per the direction of engineer in charge	Sqm	30.79	18,444.41		599.00	-	30.792	18,444.41	
23	Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. as per the direction of engineer in charge	Tonne	41.29	29,17,468.82		70,658.00	-	41.29	29,17,468.82	
24	Providing and constructing burnt brick masonry with approved quality of non-modular bricks of standard size of classdesignation S.ONewton per sqmm (table moulded) with cement mortar1:6 for basement and superstructu/re including cost of materials, labourcharges, scaffolding, curing complete as per specifications.as per the direction of engineer in charge	Cum			114.01	7,583.00	8,64,537.83	114.01	8,64,537.83	
25	Providing Teak wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. as per the direction of engineer in charge	Cum			0.15	2,10,887.00	31,633.05	0.15	31,633.05	
26	Providing and fixing in position fully panelled Teak wood shutters for doors, with styles and rails of 35mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 25mm thick including cost of materials, labour, HOM of machineries complete as per specifications, (excluding cost of fixtures) as per the direction of engineer in charge	Sqm			5.25	8,863.00	46,530.75	5.25	46,530.75	
27	Providing Honne wood frames of doors, windows, clerestory windows, ventilators and other frames, wrought, framed or assembled including making plaster groves (excluding cost of cement concrete and side clamps), but including cost of materials, labour, HOM of machineries complete as per specifications. as per the direction of engineer in charge	Cum			0.66	1,16,671.00	77,002.86	0.66	77,002.86	
28	Providing and fixing in position shutters for doors made out of Honne wood styles and rails of 40mm. thick with bottom and lock rails 180mm wide top rail and styles 100mm wide as per drawing and panels of 18mm thick of exterior grade Melamine impregnated prelamination particle board of approved colour on both sides including cost of materials, labour, HOM of machineries complete as per specifications. (excluding cost of fixtures)as per the direction of engineer in charge	Sqm			14.20	4,085.00	58,007.00	14.2	58,007.00	

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Sl. No.	Description	Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
			Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
29	Providing and fixing in position aluminium windows and ventilators as per approved drawings with sliding shutters using double track window frame section of size 61.85x31.75mm. with 1.2mm thick, bottom section weight 0.695 kg/m, sides and top sections 1.3 mm. thick weight 0.659 kg/m; and shutter comprising top and bottom section of size 40mmx18mm, 1.25mm thick 0.417 kg./m; shutter outer side 40mmx18mm, 1.25mm.thick weight 0.417 kg/m, shutter interlock section 40mmx26.7mm, 1.1mm thick, weight 0.469 kg/m. the shutters mounted on nylon rollers with approved quality of fixtures such as aluminium handles tower bolts etc.; and providing and fixing 5.5mm. thick plain glass for shutters fitted with rubber beading aluminium sections including cutting to required length, joints mitred subdividing the frame tenonned and rivetted in the assembled frame stiffened with end clips at corners angles etc., and fixed to the walls, lintels, floor beams/cills as the case may be with necessary steel screws, raui plugs, or teak wood gatties including cutting masonry or concrete and making good the originai surface using cement mortar; aluminium sections pretreated for removal of any Specification No. KBS using aluminium section powdered coated to a minimum of 60-70 microns with exterior durable pure polyester grade powder of approved quality.as per the direction of engineer in charge	Sqm			52.38	4,422.00	2,31,624.36	52.38	2,31,624.36	
30	Providing and fixing in position in cement concrete 1:3:6 steel glazed windows and ventilators side hung/top hung 2/3 openable 1/3 fixed as per approved drawings using Z angles of25x33x3mm, weighing 1.419 kg/m both for outer and inner frames and central mullion section of size 25x46x3mm, weighing 2.28kg/m all duly providing T section 19x19x3mm weighing 0.839 kg/m for glazing of windows, not more than 34 cms. c to c including providing and fixing 4mm. thick reeded glass with teakwood beading of required size, all steel sections should confirm to I.S 7452:1990, 4nos. of holdfasts of approved size, section should be cut to length welded and grinded electrically subdividing frames of unit shall be tenonned and revetted into the frames electrically. AH the steel surface shall be throughly cleaned free of rust and painted with one coat of anti-corrosive paint and finishing two coats of ready mix paint of approved colour and make including cost of materials, fixtures, labour charges and HOM of machinery complete as per specifications.	Sqm			4.59	3,375.00	15,491.25	4.59	15,491.25	
31	Providing and fixing M.S.grill work for windows and Kgs ventilators using M.S. flats, or M.S. square rods, or combination of M.S. flats and square rods as per approved design, drawing including cutting steel sections and welding the same to required pattern with a coat of red lead primer, cost of materials, fixtures, labour and HOM of machinery complete as per specifications. as per the direction of engineer in charge	Kg			1,196.37	88.00	1,05,280.56	1196.37	1,05,280.56	
32	Providing 20mm thick cement plaster in single coat with cement mortar 1:4, to stone masonry & concrete surface including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. as per the direction of engineer in charge	Sqm			832.75	295.00	2,45,661.25	832.75	2,45,661.25	
33	Providing 18mm thick cement plaster in single coat with cement mortar 1:4, to brick masonry including rounding off corners wherever required smooth rendering,: Providing and removing scaffolding, including cost of materials, labour, curing complete as per specification as per the direction of engineer in charge	Sqm			1,136.84	278.00	3,16,041.52	1136.84	3,16,041.52	
34	Providing 12mm thick cement piaster in single coat with cement mortar 1:3, to ceiling including rounding off corners wherever required smooth rendering, including providing and removing scaffolding, cost of materials, labour, curing etc., complete as per specification. as per the direction of engineer in charge	Sqm			599.94	243.00	1,45,785.42	599.94	1,45,785.42	
35	Flooring with 25mm thick polished tandur blue stone Sqm slabs using cement mortar 1:6, 25mm thick over existing cement concrete bed or top of roof laid to line and level and jointed with cement slurry mixed with pigment to match the shade of the slab, including cost of materials, labour, curing, polishing complete as per specifications. Specification No. KBS as per the direction of engineer in charge	Sqm				1,272.00	-	0	-	
36	"Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specificationsusing silver grey granite / Multy Red / Ruby Red I Black / Hassan Green Granite of width not less than 1200mm as per the direction of engineer in charge "	Sqm			721.62	2,971.00	21,43,933.02	721.62	21,43,933.02	
37	Providing skirting, dadoing, rises of steps with colour glazed tiles 15x15cmc 6mm on 10mm thick cement plaster 1:3 and jointed with white cement slurry over existing rough plaster surface using glazed tiles of approved make and size including cost of materials, labour, complete as per specifications. Specification No.KBS 14.16,14.17	Sqm			34.44	1,216.00	41,879.04	34.44	41,879.04	
38	Providing and laying cinder concrete in cement 1:15 cum 1,902.00 (1 cement: 15 cinder of 12.5mm nominal gauge) on terraced roof or sunken slabs, laid to slope compacting, including cost of materials, labour, curing complete as per specifications.specification	Cum			19.92	2,157.00	42,967.44	19.92	42,967.44	
39	Providing INTEGRAL CRYSTALINE Waterproofing treatment to thesunken portion of Toilets. Using Crystalline Slurry of approved make @ 1.4kg per SQM in two coats (0.7 kg per sqm per coat) conforming to ASTM C 1202 & DINV 18998 standards. as per the direction of engineer in charge	Sqm			9.00	545.00	4,905.00	9	4,905.00	
40	Extra for water proofing the inside surface of tanks (OHT & UGT) - applying of modified polymers soft acrylic esters coat @ 0.40kg/sqm in 2 coats including all labour charges tools and equipment's, all complete as per the specification. as per the direction of engineer in charge	Sqm			31.68	323.00	10,232.64	31.68	10,232.64	

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Sl. No.	Description		Previous Measurement		Present Measurement			Total Upto Date		Remarks
			Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
41	Providing and fixing plaster mesh 150mm wide manufactured out of hot dipped galvanised iron of nominal thickness 0.35mm with a zinc coating of 120gms per sqm width, along route of walls chipped for services, junction between RCC and brick walls including cost of materials, labour for fixing complete as per specifications, (length of mesh only be measured for payment) as per the direction of engineer in charge	M			642.00	46.00	29,532.00	642	29,532.00	
42	Fabrication supplying and erecting M.S. tubular trusses of all spans as Kgs per approved drawing & design with prefabricated steel applications using quality material and are durable, reliable and corrosion and abrasion resistant. Welding shall confirm to latest structural welding code. Quality shall be on various parameters like shape, size, design gauge and polish. The entire trusses is anchored in RCC column by using 4 nos of M.S. anchor bolts at each support with 10mm thick t| base plate and shoe plate. The work includes cutting, straightening, placing in position of M.S. pipes and welding wherever necessary and applying one coat of redoxide primer coat to all the members including cost of all materials, labour charges, and hire charges of machineries for cutting, welding, grinding and erection equipments, with all lead and lift, transportation, letc., complete as per specification as per the direction of engineer in charge	Kg			10,153.54	124.00	12,59,039.21	10153.542	12,59,039.21	
43	Providing and installing of pre painted Galvolume iron Trapezoidal profiled sheet of approved make 1060 mm width (1000 mm cover width), 28-30 mm crest height with crest distance of 200 mm c/c with 2 ribs at the centre for stiffening. The total coated thickness (TCT) of the sheet will be 0.47 mm +/- 0.02 mm tolerance Zinc-Alu Alloy coating AZ150 gsm as per ASTM 1397/A755. 550mpa steel grade, 5-7 microns as per the direction of engineer in charge	Sqm			391.00	873.00	3,41,343.00	391	3,41,343.00	
44	0179 Handles to full width 2m long as per the direction of engineer in charge	Each				1,146.00	-	0	-	
45	0188 Hinges 5" heavy duty as per the direction of engineer in charge	Each				42.00	-	0	-	
46	0427 Tower bolt 300 mm long as per the direction of engineer in charge	Each				136.00	-	0	-	
47	Providing Screws as per the direction of engineer in charge	Each				3.00	-	0	-	
48	0220 Locking arrangements as per the direction of engineer in charge	Each				737.00	-	0	-	
49	Providing and fixing M.S. Hand railing for Balcony/Staircase etc., with 50mm dia. M.S. hollow pipe of 14 gauge, welded to 20mmx20mm M.S. square rod placed vertically, spaced at 100mm at regular intervalsof 600mm. These vertical rods laterally tied to 3 horizontal rods spaced at equal interval. These assembly is fixed to concrete by using expansion bolts and welding the same to reinforcement bars and making good the surface. All the joints and sections hould be cut to length, weided and grinded wherever necessary etc., complete . The work includes cost of ail materials, labour charges for all items of work, hire charges for welding, cutting and grinding equipment, and electricity charges, etc., complete as per specification and drawing. as per the direction of engineer in charge	Sqm				3,001.00	-	0	-	
50	Aluminum plain/perforated/Mirror finish false ceiling VT-09 (Vertical drop 9 mm) Supply and installation of Aluminum powder coated false ceiling proof panel size 600x600mmx9mm drop, Noncombustible fire proof humidity proof, Aesthetic, fabricated from enameled coated sheet of thickness 0.8mm, panel shall be painted by powder coating process with polyester paints and with secular mirror finish, shining lacquered plain or decorated on outer surface, it shall be suspended with the frame work and accessories complete from roof slabs, beams etc., by means of 4mm dia GO J bolt Tee runner, ultra look Tee Runner and edge trim etc.,	Sqm			354.20	7,810.00	27,66,302.00	354.2	27,66,302.00	
51	THERMAL INSULATION OF ROOF WITH EXPANDED POLYSTYRENE Providing and fixing expanded polystyrene (EPS) 50mm thick with aluminium strips at every 600mm c/c over existing false ceiling for thermal insulation of roofing including necessary fasteners etc., complete (excluding cost of screed concrete which is to be measured and paid seperately) with all lead and lift, transportation charges, loading unloading charges,all taxes, cost of all materials, labour, HOM of machinery, scaffolding etc., as per the direction of engineer in charge	Sqm			354.20	735.00	2,60,337.00	354.2	2,60,337.00	
52	Providing lime rendering for plastering to wall and ceiling, including cost of materials, labour, curing complete as per specifications. as per the direction of engineer in charge	Sqm				28.00	-	0	-	
53	"Providing applying two coats of wall putty to inside plastered walls and ceiling using white cement putty. Scrapping and levelling the surface using steel blade and preparing the surface even and smooth by using different grade sand papers, including cost of all materials, cost of labour and scaffolding etc., complete as per the specification as per the direction of engineer in charge . Area to be considered - (a) 100% for fresh surface (b) Upto 10 % for repainting"	Sqm				63.00	-	0	-	
54	Providing and applying painting with primer in two coats with plastic emulsion paint of approved brand on wall surface to give an even approved shade after thoroughly brushing the surface, free from mortar drops and other foreign matter including preparing the surface even and sand paper smooth, cost of materials, labour, complete as per specifications. as per the direction of engineer in charge	Sqm				102.00	-	0	-	
55	Extra over Item 15-15.1 for painting two coats with plastic emulsion paint of approved brand and shade on ceiling and / or sloping roof as per specifications. as per the direction of engineer in charge	Sqm				5.00	-	0	-	

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Sl. No.	Description	Unit	Previous Measurement		Present Measurement			Total Upto Date		Remarks
			Qty.	Cost	Qty.	Rate Rs. P.	Amount	Qty	Cost	
56	Providing textured paint of approved quality, colour and shade to wall surface after cleaning and rubbing the wall surface with wire brush of medium size emery stone to remove all the loosely adhering particles, the surface is then cleaned with water and ensured that it is in line and level. The textured material is then mixed with 40-50% of clean water until a homogeneous thick slurry is formed, the slurry is left for 5-10 min. to react completely with ingredients. The textured finish prepared as above is then applied to the wall surface with suitable roller/spray gun/putty/ blade/ trowel to get the desired finish. The finished surface shall be applied with two coats of exterior paint of approved shade. The rate includes providing and removing scaffolding, all lead and lift and all other incidental charges	Sqm				395.00	-	0	-	
57	Applying priming coat over new wood surface and / or wood based surface after preparing the surface after throughly cleaning oil, grease, dirt and foreign matter, sand papering and knotting liquid wood filler, for varnish including cost of materials, labour, complete as per specifications as per the direction of engineer in charge	Sqm				47.00	-	0	-	
58	Providing and applying painting two coats (excluding priming coat) on new wood surface and / or wood based surface with enamel paint to give an even shade, cleaning the surface of all dirt, dust and foreign matter, sand papering including cost of materials,labour, complete as per specifications. as per the direction of engineer in charge	Sqm				95.00	-	0	-	
59	Extra over Item No. 15-17.6 for applying every subsequent coat of enamel paint to give an even shade after cleaning the surface of all dirt, dust and foreign matter, sand papering includingcost of materials, labour, complete as per specifications. as per the direction of engineer in charge	Sqm				54.00	-	0	-	
60	Providing and applying polishing with french polish on new wood surface and / or wood based surface to give an even surface after cleaning the surface of all dirt, dust and foreign matter, sand papered smooth, including cost of wood filler and materials, labour, complete as per specifications. as per the direction of engineer in charge	Sqm				153.00	-	0	-	
61	Providing and fixing white vitreous china clay, water pan closet Orissa pattern of size 580 x 440mm with integral type footrests, 100mm S or P trap, (approved make) cutting and making good the wall and floor wherever required, including cost of materials, labourcomplete as per specifications. Specification No. KBS 11	pan				2,270.00	-	0	-	
62	Providing and fixing white vitreous china clay, water closet European type (Pedestal type, P-trap) with black solid plastic seat and lid, C.P brass hinges, rubber buffers. 10 litre low level, P.V.C flushing cistern (all are approved make) with fittings, C.I / M.S brackets, 40mm diameter flush bend with fittings and clamps, overflow arrangements with special and 25mm mosquito proof coupling of approved design, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. KBS 11	Each				5,388.00	-	0	-	
63	Providing and fixing white vitreous china clay, flat back wash basin size 630x450mm with a single 15mm C.P brass pillar tap with C.I I M.S brackets, 32 mm C.P. brass waste of standard pattern, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials, labour complete as per specifications. Specification No. as per the direction of engineer in charge	Unit				3,159.00	-	0	-	
64	Providing and fixing kitchen sink of white glazed fire clay of size 750x450x250mm with M.S / C.I brackets, C.P brass chain with rubber plug, 32 mm C.P. brass waste, tap with union, brass stop cock complete, painting of fittings and brackets, cutting and making good the wall and floor wherever required, including cost of materials,labour complete as per specifications.as per the direction of engineer in charge	Unit				4,248.00	-	0	-	
65	0114 Copper plated brass piller tap as per the direction of engineer in charge	Each				263.00	-	0	-	
	Constructing brick masonry inspection chamber 455x610mm, and 450mm depth, (clear inside dimension) for single pipeline, using table moulded non-modular bricks of class designation 50 in cement mortar 1:5. C.I cover withframe (light duty) 455x610mm internal dimensions, total weight of cover with frame to be not less than 38 kg (weight of cover 23kg and weight of frame 15 kg) R.C.C. top slab with cement concrete M 15 with 20mm and downsize granite metal, foundation concrete M 5 with 40mm and downsize granite metal inside plastering 12mm thick with cement mortar 1:3, finish smooth with a floating coat of cement on walls and bed concrete complete as per standard design including cost of materials, labour charges, curing complete as per specifications. as per the direction of engineer in charge	No				8,874.00	-	0	-	
	Providing and fixing Chorinated Poly Venyl Chloride (CPVC) pipes conforming to IS 15778, having thermal stability for hot and cold water supply including all CPVC plain and brass threaded fittings including fixing the pipe with clamp at 1.00 mtr spacing. This includes jointing of pipes and fittings with one step CPVC solvent cement & the cost of cutting chases & making good the same including testing of joints complete. (Concealed work including cutting chases and good the wallsetc.) as per the direction of engineer in charge 20 MM Pipe	M				221.00	-	0	-	
	25 MM Pipe	M				263.00	-	0	-	
	32 MM Pipe	M				326.00	-	0	-	
	oviding and fixing to wall, ceiling and floor unplasticised PVC 110 mm Dia 6.00 kgs/sqcm working pressure with pipe fittings, vall clips etc., and making good the wall, ceiling and floor for sanitary pipelines including cost of all materials, labour charges, IOM of acquirements and testing complete as per specifications. as per the direction of engineer in charge	M				433.00	-	0	-	
	roviding and fixing unplasticised PVC with 110mm outer dia pipes 10.00 kg/sq.cm working pressure chemp plast I Wavin or uivalent make with pipe fittings, clips, making good the floor, including cost of all materials, labour charges, HOM of mplete as per specifications. as per the direction of engineer in charge	M				723.00	-	0	-	

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Sl. No.	Description	Unit	Previous Measurement Qty.	Previous Measurement Cost	Present Measurement Qty.	Present Measurement Rate Rs. P.	Present Measurement Amount	Total Upto Da... Qty	Total Upto Da... Cost	Remarks
120	Supplying and fixing superior quality modular switch mounting polycarbonate plate with necessary supporting back plate with required nos. of machine screws, bolts nuts etc., complete on the existing metal/PVC box.(15/16/3.6) as per the direction of engineer in charge 1 to 3 Module (1 No-3.6.1of PWD S.R 2014-15)	Each				80.00	-	0	-	
121	4Moudule (1 No-3.6.2 of PWD S.R 2014-15)	Each				97.00	-	0	-	
122	6Moudule (1 No-3.6.3 of PWD S.R 2014-15)	Each				122.00	-	0	-	
123	8Moudule (1 No-3.6.4 of PWD S.R 2014-15)	Each				170.00	-	0	-	
124	10Moudule (1 No-3.6.5 of PWD S.R 2014-15)	Each				204.00	-	0	-	
125	12Moudule (1 No-3.6.6 of PWD S.R 2014-15)	Each				224.00	-	0	-	
126	19/20mm junction box as per the direction of engineer in charge	Each				46.00	-	0	-	
127	Supplying wall mounting fan suitable to operate at single-phase 230 V A.C. supply,(84/9.4)as per the direction of engineer in charge	Each				2,464.00	-	0	-	
128	Supplying and fixing of class A (medium duty)GI pipe of wall thickness not less than 3.25mm on pole/wall/drain crossing with necessary clamping arraingements for UG cable of 1.1KV class.40mm as per the direction of engineer in charge	Rmtr				336.00	-	0	-	
129	Spplying, fixing ,wiring, earth electrode for grounding conduits, I C cutouts and other equipments on the meter board using 40mm dia 2.9mm thick GI pipe 2.5 mtr long buried in a pitâ the pit should be filled with equal proportion of salt and charcoal 150mm alround the pipe to complete depth. The connectionh from the pipe to the conduit etc, is to be established through GI wire of size as per ISI Specification 7.3.3. of IS 732 using 12mm dia bolts, nuts,wahers anfd check nuts etc,the pipe shall have 16 through hole of 122 mm dia(68/1) as per the direction of engineer in charge	No				2,652.00	-	0	-	
130	Suppling and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps,nails,guttas/spacers. GI Wire c) 8SWG as per the direction of engineer in charge	Rmtr				19.00	-	0	-	
131	Supplying tinned copper lugs crimping and wiring to terminal point for wire of the following sizes.2.5sqmm. as per the direction of engineer in charge	No				3.00	-	0	-	
132	Supplying tinned copper lugs crimping and wiring to terminal point for wire of the following sizes.-35Sqmm Long Barrel as per the direction of engineer in charge	No				35.00	-	0	-	
133	Supplying surface mounted type mirror optic luminaries for single/Twin 28watts fluorescent lamps cross rising of stove enameled deep coloured M.S.low profile housing complete with all accessories and high purity anodized aluminum reflector assembling along with cross louvers including necessary fluorescent tubes with Energy Saving Electronic Ballast. (21/4.9) as per the direction of engineer in charge 2x4'-28 Watts	Each				3,917.00	-	0	-	
134	2x4'-28 Watts	Each				2,668.00	-	0	-	
135	Supply box type suitable for 20W T5 single/twin Lamp & suspension mounted luminaire & optical reflector. Prewired with HF electronic Ballast, push fit type lamp holder & main connectores. Channel cover shall be made of CRCA MS Sheet and finishing is done with stove enamelled whith end caps made of engineering plastic. (20/4.7) as per the direction of engineer in charge	Each				963.00	-	0	-	
136	Supplying CFL mirror light fitting with 2x11W CFL lamp. choke, Perspex cover and completely wired for use on 230V 50Hz AC (25/4.25) as per the direction of engineer in charge	Each				630.00	-	0	-	
137	Fixing all types and all capacities of fluorescent /False ceiling/spot light /CFL/LED fittings indoor on the wall/ ceiling/rafters/girders using 23/0.0076' twin twisted PVC insulated wires, required Nos of round blocks and clamps.as per the direction of engineer in charge	Each				95.00	-	0	-	
138	Providing and Filling in foundation with granite / trap cum broken metal 100mm. and down size, with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead upto 50m.and lift of 1.5m,complete as per specifications, (PWP,IWTD) as per the direction of engineer in charge	Cum	61.57	1,35,454.00		2,220.00	-	61.57	1,35,454.00	
	Total			**76,74,826.73**			**90,85,234.03**		**1,67,60,060.76**	

Certificate

1. Certified that the contractor has done the work satisfactorily and found correct
2. There are no departmental issues to the work.
3. Private vehicle has been engaged for conveying of silt, debris, muck, etc.

NEWZEN CONSULTANT Bangalore

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